GEORGIA INSTITUTE OF TECHNOLOGY
OFFICE OF CONTRACT ADMINISTRATION
SPONSORED PROJECT INITIATION

Date: November 13, 1978

Project Title: Data Processing Consulting Services

Project No: A-2262

Project Director: Mr. G. L. Peckham

Sponsor: Georgia Farm Bureau Federation; Macon, Georgia 31204

Agreement Period: From 10/9/78 Until 10/8/79

Type Agreement: Standard Industrial Agreement dtd 9/8/78

Amount: $30,238

Reports Required: Monthly Progress Letter; FInal Report

Sponsor Contact Person (s):

Technical Matters

Mr. B. J. Smallwood
General Manager
Georgia Farm Bureau Federation
P. O. Box 7008
Macon, Georgia 31204

Phone: (912) 474-8411

Contractual Matters
(thru OCA)

Defense Priority Rating: N/A

Assigned to: Radar & Instrumentation Laboratory (School/Laboratory)

COPIES TO:

Project Director
Division Chief (EES)
School/Laboratory Director
Dean/Director—EES
Accounting Office
Procurement Office
Security Coordinator (OCA) ✓
Reports Coordinator (OCA)

Library, Technical Reports Section
EES Information Office
EES Reports & Procedures
Project File (OCA)
Project Code (GTRI)
Other_____

GEORGIA INSTITUTE OF TECHNOLOGY
OFFICE OF CONTRACT ADMINISTRATION

SPONSORED PROJECT TERMINATION

Date: 9/25/80

Project Title: DATA PROCESSING CONSULTING SERVICES

Project No: A-2262

Project Director: MR. G. L. PECKHAM

Sponsor: GEORGIA FARM BUREAU FEDERATION; MACON, GEORGIA 31204

Effective Termination Date: 7/25/79

Clearance of Accounting Charges: 7/25/79

Grant/Contract Closeout Actions Remaining:

- _x_ Final Invoice ~~and Closing Documents~~
- _ Final Fiscal Report
- _ Final Report of Inventions
- _ Govt. Property Inventory & Related Certificate
- _ Classified Material Certificate
- _ Other _____

Assigned to: CSTL/SAD (~~School~~/Laboratory)

COPIES TO:

Project Director
Division Chief (EES)
School/Laboratory Director
Dean/Director—EES
Accounting Office
Procurement Office
Security Coordinator (OCA)
Reports Coordinator (OCA)

Library, Technical Reports Section
EES Information Office
Project File (OCA)
Project Code (GTRI)
Other _____

CA—4 (1/79)

A-2262

GTEES ENGINEERING EXPERIMENT STATION
GEORGIA INSTITUTE OF TECHNOLOGY • ATLANTA, GEORGIA 30332

January 30, 1979

Georgia Farm Bureau Federation
2960 Riverside Drive
P.O. Box 7068
Macon, Georgia 31204

Attention: Mr. Bill Smallwood

Gentlemen:

Enclosed you will find the Interim Project Status Report for Project A-2262 with the Georgia Farm Bureau. The report describes work that has been performed and work yet to be done.

Also, we would like to bring to your attention the expenditures amounting to $2,516.00 which were incurred on this project before the formal contract was in effect. We would appreciate your assistance in the matter.

If we can answer any questions, please do not hesitate to contact us.

Sincerely,

Gary L. Peckham

GLP/esc

attachments

Interim Project Status Report

as of 12/31/78

Project A-2262

I. Introduction

This report describes the status of the Georgia Tech contract with Georgia Farm Bureau. It describes work performed thus far and the work yet to be completed. Refer to the CPM chart on page 6 for a graphical view of the project status.

II. Work Performed

1. Personnel

Several interviews and discussions were held with the Data Processing personnel of the Georgia Farm Bureau. Discussion focused upon the employee retention problem. Salary survey of published data was performed and the results were compared to the present salary level of Georgia Farm Bureau employees. A report was furnished that describes our conclusions and recommendations.

2. Computer Hardware Requirements

The present hardware configuration was reviewed. Informal discussions are continuing with the Farm Bureau on the new hardware configuration. The main objective of this task is to select hardware which will best meet the data processing activity for the next five years. While other vendors were considered, it was concluded that the new hardware will be selected from IBM.

3. System Software

We have worked with the Farm Bureau to review areas to help tune the present system software. Ideas were jointly discussed and certain ones were pursued in depth by GFB personnel.

Future software alternatives were explored and discussed with the conclusion that DOS/VS will satisfy the short range software requirements for the new hardware selected.

4. Present and Future Application Review and Long Range Plan Development

Present new system development was reviewed and prioritized. A questionnaire has been developed and tentatively approved to facilitate future development trends. Interviews will be conducted after the responses from the questionnaire have been received. From the questionnaire we expect to be able to identify requirements for new systems, prioritize the new systems and incorporate the future systems into the long range plan. The second purpose of the survey is to help educate the user in DP terminology.

5. Software Packages & Data Base Review

It was generally concluded that there will be a benefit by installing a data base management system. IDMS was presented by the Cullinane Corp. Present status of this review is to determine whether or not IDMS (or even DL1) will satisfy the long term needs of the DP department.

MARK IV software system for easing the programming required for reports was reviewed and discussed.

Insurance Systems of America, Inc. software package for a stocks and bonds was reviewed. It was recommended that the

Farm Bureau explore the possibilities of this system satisfying the user's needs (possibly in lieu of using sister Farm Bureau system).

6. General

A brief study of an available stocks & bonds software system was performed and an estimate for GIT to perform the reprogramming was presented.

A good sample of documentation for DP Software Standards has been ordered and will be presented to the Farm Bureau when they are received for possible adoption after modification.

III. Remaining Activities

1. There will be a meeting with Software Development project managers to discuss the personnel report. The purpose of this meeting will be to answer any questions and discuss approaches to our recommendations.
2. We will present our recommendations for hardware requirements.
3. We will participate in making a decision for Data Base.
4. We will develop a long range plan with the Farm Bureau which will reflect system development, personnel and hardware.
5. Explore telecommunication alternatives.
6. Explore Minicomputer/distributed processing alternatives.
7. Provide advice and suggestions as required.
8. Provide programming/design support when requested.

IV. Budget

Expenditures as of December 31, 1978 amounted to $7,380.09. This amount reflects professional and secretarial time.

The table below reflects the expenditure rate by each month of the project and a summary of professional hours spent on the project. See the table on the following page for a breakdown of hours spent.

Budget: $30,238.00 Expiration Date: 10-08-79

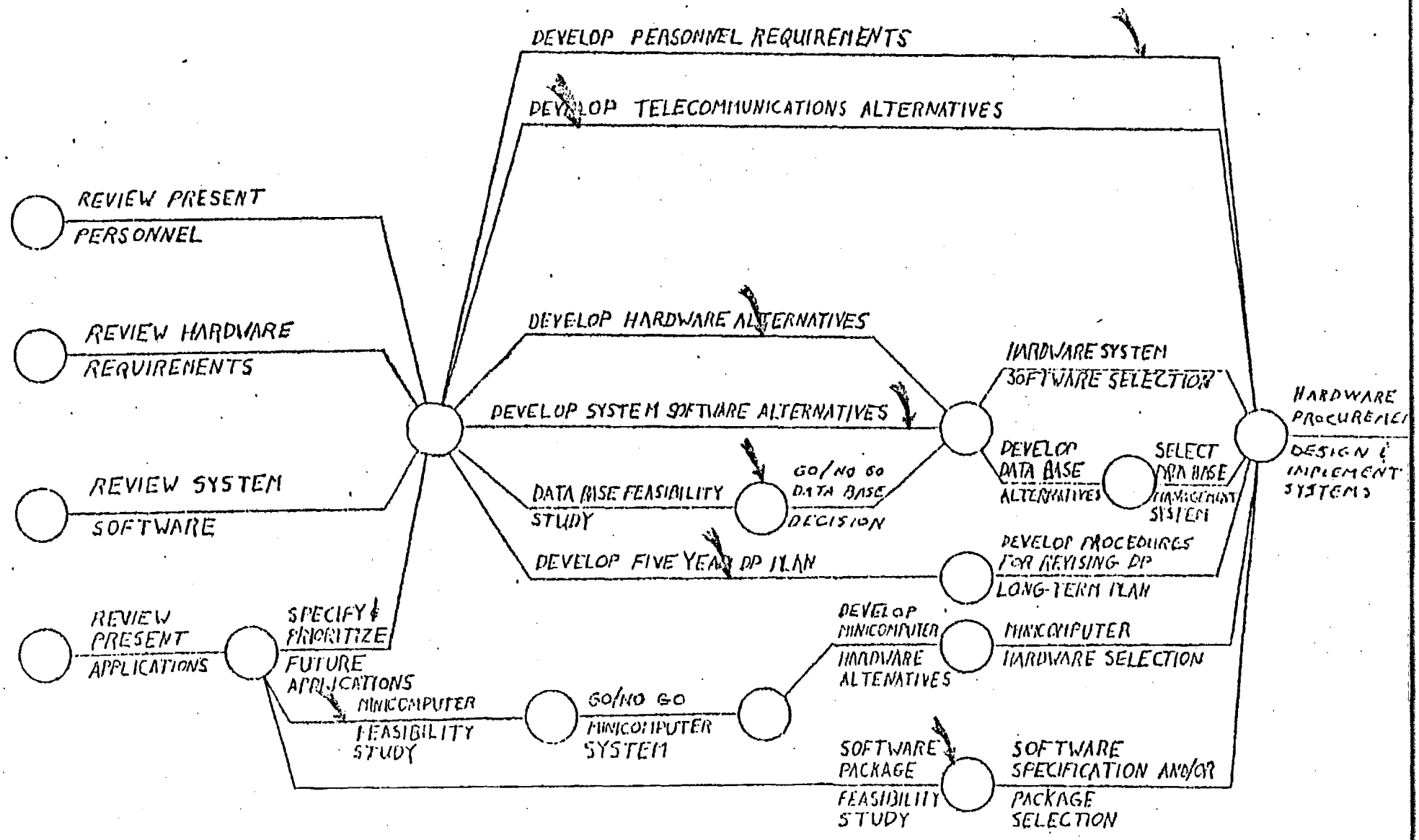
Month	Expenditure	Man Hours
October 1978	$ 1490.69	64
November 1978	2820.35	90
December 1978	3069.05	101
	$ 7380.09	255 Hours

We would like to again bring to your attention the expenditures amounting to $2,516 that were incurred on this project before the formal contract was in effect. As of this letter no written approval or otherwise has been received.

Professional Hours

By Month and Function

	Function	October	November	December	Total
1.	Personnel	10	20	35	65
2.	Long Range Plan	4	16	25	45
3.	Hardware	5	10	17	32
4.	Present & Future Applications	26	16	6	48
5.	Data Base	4	18	4	26
6.	Software Packages	4	4	14	22
7.	Systems Software	11	6	0	17
Total Professional Hours		64	90	101	255


DEVELOP PERSONNEL REQUIREMENTS
DEVELOP TELECOMMUNICATIONS ALTERNATIVES
REVIEW PRESENT PERSONNEL
REVIEW HARDWARE REQUIREMENTS
REVIEW SYSTEM SOFTWARE
DEVELOP HARDWARE ALTERNATIVES
DEVELOP SYSTEM SOFTWARE ALTERNATIVES
DATA BASE FEASIBILITY STUDY
GO/NO GO DATA BASE DECISION
DEVELOP FIVE YEAR DP PLAN
HARDWARE SYSTEM SOFTWARE SELECTION
DEVELOP DATA BASE ALTERNATIVES
SELECT DATA BASE MANAGEMENT SYSTEM
DEVELOP PROCEDURES FOR REVISING DP LONG-TERM PLAN
HARDWARE PROCUREMENT
DESIGN & IMPLEMENT SYSTEMS
REVIEW PRESENT APPLICATIONS
SPECIFY & PRIORITIZE FUTURE APPLICATIONS
MINICOMPUTER FEASIBILITY STUDY
GO/NO GO MINICOMPUTER SYSTEM
DEVELOP MINICOMPUTER HARDWARE ALTERNATIVES
MINICOMPUTER HARDWARE SELECTION
SOFTWARE PACKAGE FEASIBILITY STUDY
SOFTWARE SPECIFICATION AND/OR PACKAGE SELECTION

ENGINEERING EXPERIMENT STATION
GEORGIA INSTITUTE OF TECHNOLOGY • ATLANTA, GEORGIA 30332

February 13, 1979

Georgia Farm Bureau Federation
2960 Riverside Drive
P.O. Box 7068
Macon, Georgia 31204

Attention: Mr. Bill Smallwood

Gentlemen:

Enclosed you will find the Interim Project Status Report for Project A-2262 with the Georgia Farm Bureau as of January 31, 1979. The report briefly describes work that has been performed for the month of January.

If we can answer any questions, please do not hesitate to contact us.

Sincerely,

Gary L. Peckham

GLP/esc

Enclosure

DATA PROCESSING CONSULTING FOR GEORGIA FARM BUREAU

Monthly Status Report

1 January through 31 January 1979

EES/GIT Project A-2262

Prepared by

Radar and Instrumentation Laboratory
Engineering Experiment Station
Georgia Institute of Technology
Atlanta, Georgia 30332

G. L. Peckham
Randall H. Carrier

for

Georgia Farm Bureau Federation
2960 Riverside Drive
P. O. Box 7068
Macon, Georgia 31204

under

Standard Industrial Agreement 9-8-78

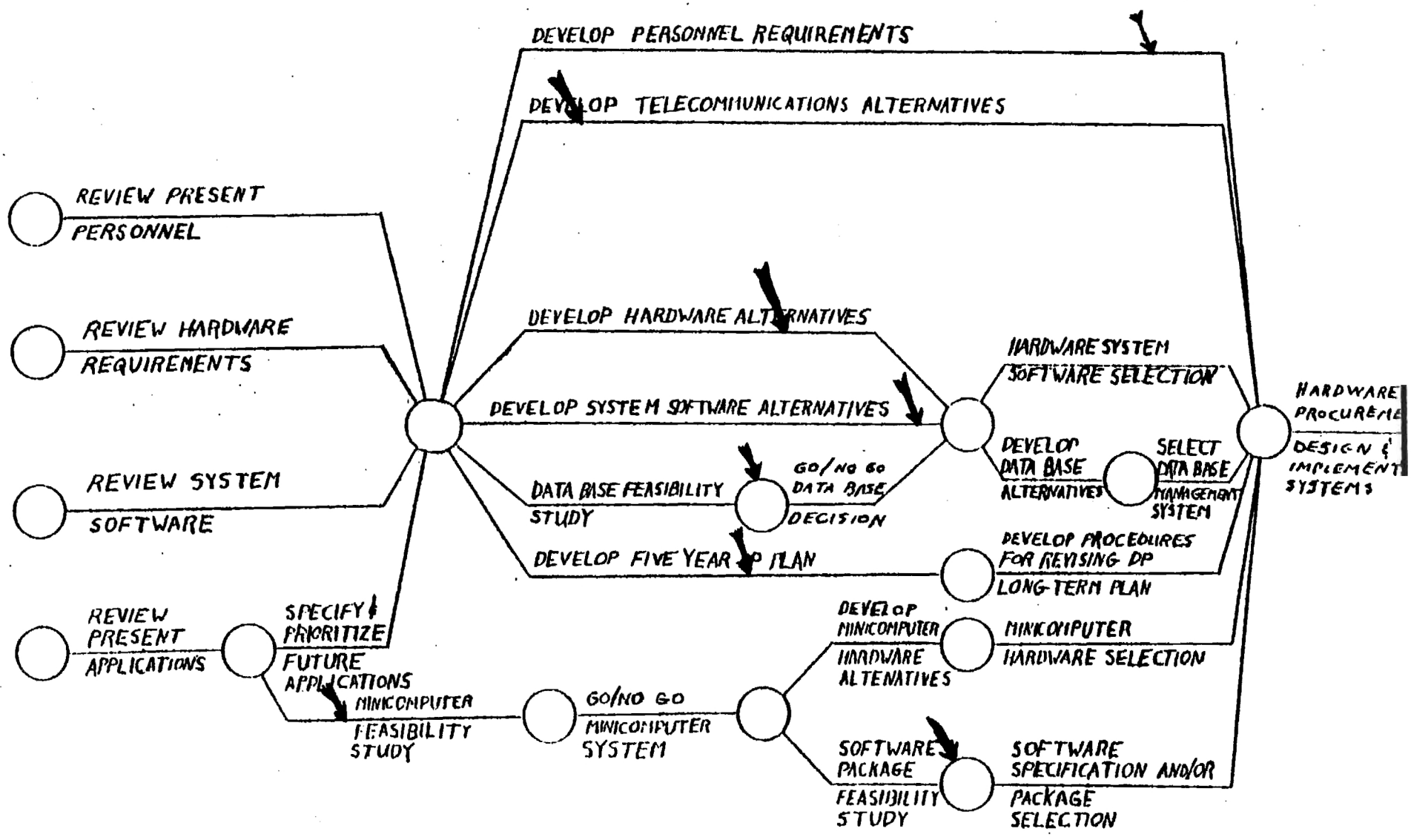
WORK SUMMARY

A summary of the activities of this contract for the month designated is given below.

Name	Manhours	Function
Randall Carrier	32	Project review, report, etc.
Randall Carrier	16	Personnel
Randall Carrier	10	Software Packages
Randall Carrier	8	Hardware Alternatives
Randall Carrier	10	Long Range Plan
Gary Peckham	16	Management
Gary Peckham	12	Hardware Alternatives
Gary Peckham	6	Long Range Plan

1. Work continued on the Long Range Plan in the following areas.
   a. Topical outline
   b. Hardware configuration
2. Hardware alternatives were studied. Various configurations were discussed with Mr. Oleson.
3. Project Status Report for October 1 through December 31, 1978 was presented and discussed.
4. See the next page for an updated CPM chart.

GEORGIA FARM BUREAU FEDERATION



A-2262

DATA PROCESSING CONSULTING FOR GEORGIA FARM BUREAU

Monthly Status Report

1 February through 28 February 1979

EES/GIT Project A-2262

Prepared by

Radar and Instrumentation Laboratory
Engineering Experiment Station
Georgia Institute of Technology
Atlanta, Georgia 30332

G. L. Peckham
Randall H. Carrier

for

Georgia Farm Bureau Federation
2960 Riverside Drive
P. O. Box 7068
Macon, Georgia 31204

under

Standard Industrial Agreement 9-8-78

WORK SUMMARY

A summary of the activities of this contract for the month designated is given below.

Name	Manhours	Function
Randall Carrier	12	Project review, report, etc.
Randall Carrier	12	Hardware Alternatives
Randall Carrier	50	Long Range Plan
Gary Peckham	37	Management
Gary Peckham	5	Hardware Alternatives
Gary Peckham	16	Long Range Plan

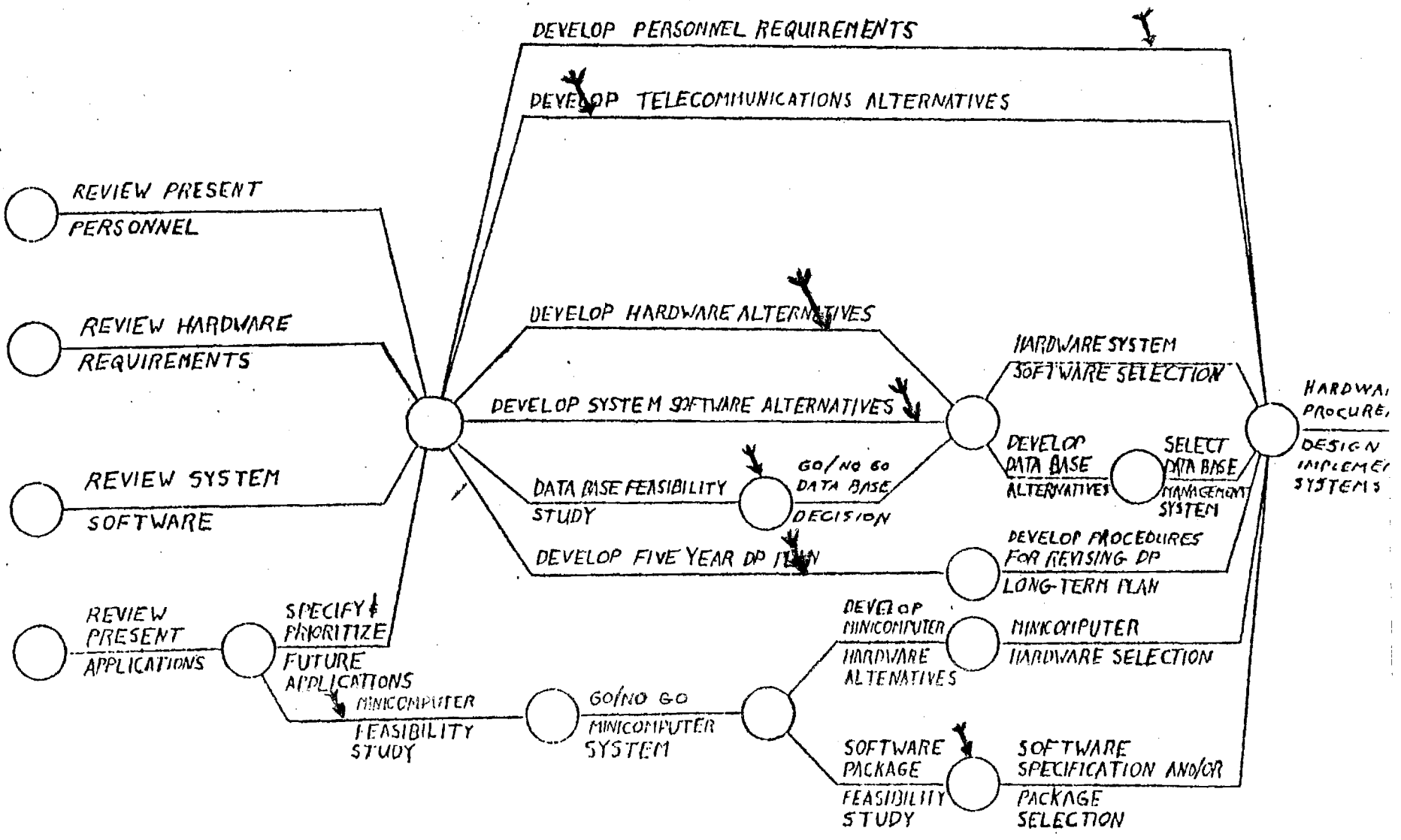
1. Work continued on the Long Range Plan in the following areas.

   a. Topical outline - assumptions, content, layout
   b. Hardware configuration
   c. Review Responses from Long Range Planning questionnaire
   d. Develop open points and questions based on the questionnaire

2. Hardware alternatives were studied. Various configurations were discussed with Mr. Oleson.

3. See the next page for an updated CPM chart.

GEORGIA FARM BUREAU FEDERATION



A-2262

DATA PROCESSING CONSULTING FOR GEORGIA FARM BUREAU

Monthly Status Report

1 March through 31 March 1979

EES/GIT Project A-2262

Prepared by

Radar and Instrumentation Laboratory
Engineering Experiment Station
Georgia Institute of Technology
Atlanta, Georgia 30332

G. L. Peckham

for

Georgia Farm Bureau Federation
2960 Riverside Drive
P. O. Box 7068
Macon, Georgia 31204

under

Standard Industrial Agreement 9-8-78

WORK SUMMARY

A summary of the activities of this contract for the month designated is given below.

Because of the requirement to have the Georgia Farm Bureau units reply to our questionnaire, and the delay incurred, no significant activity was conducted during this period. Those returned questionnaires received at Georgia Institute of Technology were reviewed and telephone discussions were conducted with Mr. Rod Oleson.

The CPM chart, as previously indicated, remains unchanged.

During the month of April we expect to closely review the returned questionnaires, analyze and estimate with the Georgia Farm Bureau the work indicated, and assist Georgia Farm Bureau in making priority ranking assignments to the new, proposed projects.

DATA PROCESSING CONSULTING FOR GEORGIA FARM BUREAU

Monthly Status Report

1 April through 30 April 1979

EES/GIT Project A-2262

Prepared by

Radar and Instrumentation Laboratory
Engineering Experiment Station
Georgia Institute of Technology
Atlanta, Georgia 30332

G. L. Peckham

for

Georgia Farm Bureau Federation
2960 Riverside Drive
P. O. Box 7068
Macon, Georgia 31204

under

Standard Industrial Agreement 9-8-78

WORK SUMMARY

A summary of the activities of this contract for the month designated is given below.

Primarily two major milestones were partially completed during April. The Analysis of Hardware Requirements (Encl. 1) and the initial review of questionnaires were completed.

During the month of May, a report will be presented on the preliminary findings of the questionnaire. Complete analysis of the questionnaire cannot be completed until all GFB units that were requested to fill out the form have returned their replies.

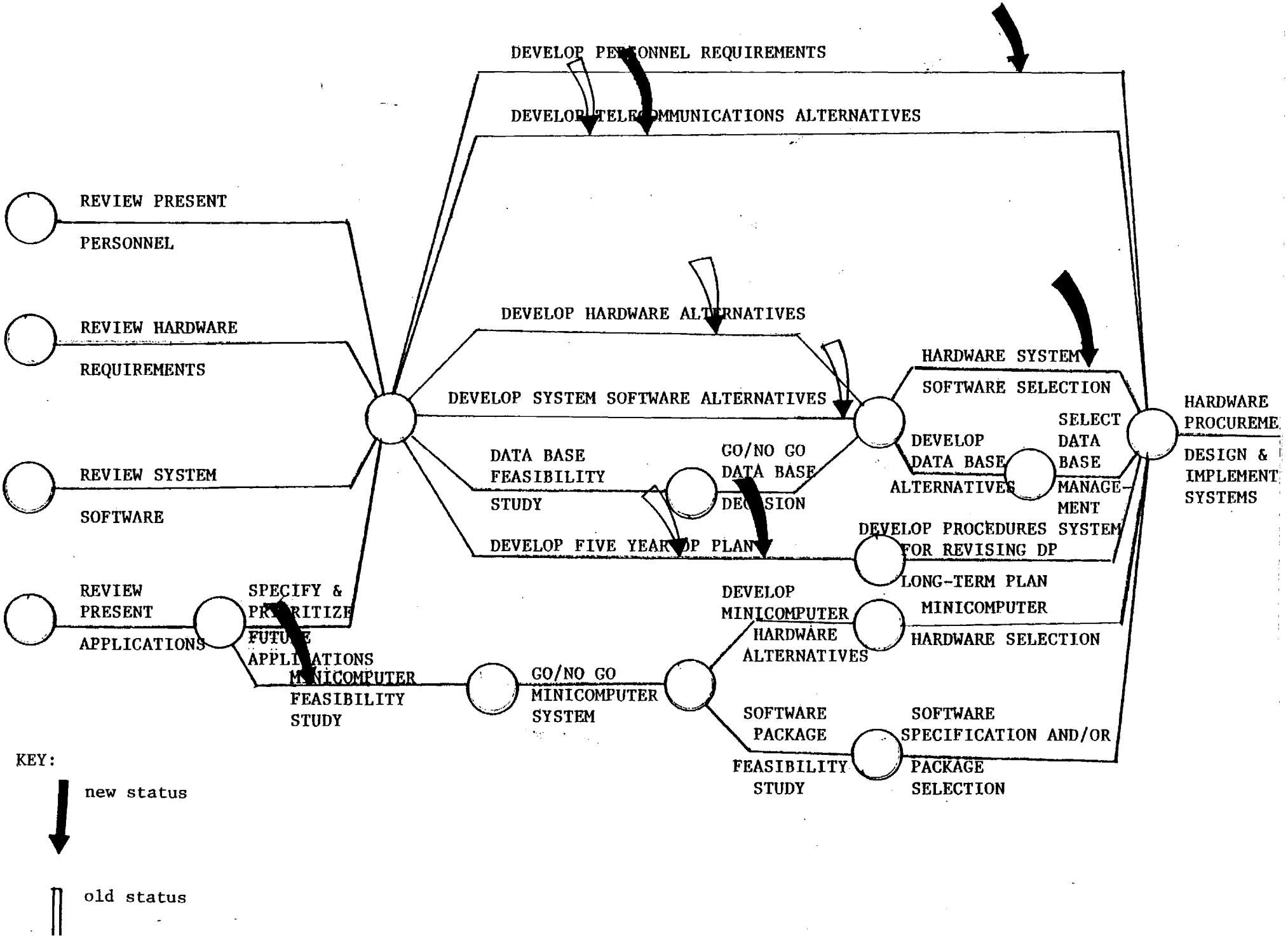
The CPM chart has been updated to reflect progress made during the last month and also reflects the last status reported.

The approximate manhours spent during April are the following:

NAME	MANHOURS	DESCRIPTION
Peckham, G.L.	26	Questionnaire Review & Hardware Analysis
Hampton, P.B.	3	General Secretarial
Cohen, E.S.	8	Monthly Report & Misc.
Whatley, C.B.	8	Administrative Assistance

If the GFB desires my recommendation, reports, or discussion on any subject concerning Data Processing at Georgia Farm Bureau, please indicate as necessary.

GEORGIA FARM BUREAU FEDERATION



GEORGIA FARM BUREAU

Technical Report A2262-001

Title: GFB Hardware Analysis

Author: G. L. Peckham

14 May 1979

GFB Hardware Selection Analysis

By May 1980, Georgia Farm Bureau will have come to the end of the current lease of its IBM 370/125 computer system. This system has been overloaded for the past couple of years due to increasing processing requirements. With the upcoming lease expiration approaching, a decision will need to be made as to what is the best system to be procured and installed at GFB. The obvious capabilities that the new system will require are increased throughput, increased terminal connectivity with minimal response degradation, minimal conversion costs of software, minimal desruption of daily processing for installation and minimal physical facilities effect (air conditioning, power, etc.). All of these factors can be summarized to "getting the most bang for the least bucks". Inherent in the above capabilities is creating an environment in which the daily production jobs can be processed while allowing sufficient processing for development and testing of new systems or programs. The latter capability is now severely restricted. It must be emphasized again that personnel costs are escalating and GFB, like other small Data Processing shops, is not able to attract and retain qualified programming talent. The trade off comes down to personnel versus hardware. I recommend that priority be given to providing what may seem to be more hardware than is needed to provide an environment that is condusive to productive employment of your programmers.

In discussion with Rod Oleson we have examined several hardware configurations. Basically, the options that have been considered are IBM 370/138, 370/148 and IBM 4341. I recommend that only IBM systems should be considered so as to reduce the software conversion costs. Going to CDC or Burroughs or other non-IBM systems would require significant conversion costs

(personnel time) and would require two systems to run in parallel for many months, not to mention all the training costs that would be incurred.

To increase the throughput requires improvement in several areas. The first is memory size. Your present system is approximately 394K (K=1000) bytes. Nothing under 1 mega (1000K) bytes should be considered. If 1 megabytes is chosen, it must have the capability to be upgraded to two megabytes.

The second area is the number and speed of channels to which the disks, tapes, printers and terminals are connected. You presently have one channel and this is one of the weakest links in your present system. With the largest memory possible and the fastest processor and with only one channel, your speed will not improve because of the bottleneck within the channel.

The third area is the processor speed. The faster the processor, the faster the throughput depending upon what mix of jobs you have running and how much input-output (channel activity) is required. The IBM 370/125 is very slow compared to the upgrade systems being considered.

The fourth area is the peripherals. The peripherals (disks, tapes, etc.) are connected to one or more channels and are somewhat dependent upon the type of channel to which they are connected. Your two tape drives are excellent candidates for replacement and four drives with increased data rate should be purchased.

There are many other factors that effect the performance but these are the major ones. According to an article in Computer World (Feb 5, 1979) the overall relative performance of each of the candidate systems as the following:

370/125	370/138	370/148	4331	4341
1.0	1.85	3.80	1.74	5.87

What the article claims is that you will be able to get almost six times as

much done with the 4341 as compared to what you do now. A pessimistic estimate should be taken with these numbers but even if the performance doubles, that is what you need today and 3-4 time within the next few years.

With the announcement of the new IBM 43xx series the attractiveness of the cost and performance of the older models 138 and 148 has been greatly diminished. On the basis of the memory size, I would immediately not recommend the 138 and 4331 models which only allow up to 1 megabyte. This leaves the 148 and 4341 to chose from. Again according to the same issue of Computer World, the following comparative data is available:

	370/148	4341	370/125-2
Relative Performance	3.80	5.87	1.00
Memory size in Bytes (minimum to maximum)	1M-2M	2M-4M	96K-512K
Purchase Price (Memory Size)	$450,300 (1M)	$248,760 (2M)	$179,750 (512K)
Monthly Lease (Lease Term)	$17,624 (4 years)	$6,069 (2 years)	$5,915 (4 years)
Memory Cycle Time (Nsec)	405-540	unknown	320-480
Machine Cycle Time (Nsec)	180-225	150-300	480
Channels (Minimum to Maximum)	5	3-6	1
Price per 1M Byte of Main Memory	$75,000	$15,000	$75,000

The choice between the 370/148 and 4341 is fairly obvious. For 54% better relative performance with twice the memory at 45% cheaper purchase price, the 4341 should be the next new system installed at the GFB!

Some cautions must be emphasized so that the initial performance of the 4341 is not misunderstood. Little information is available concerning the compatibilities of software between your present 370/125 and the new 4341. Based upon IBM's track record the software should be completely compatible. This does not necessarily mean that the software will run at the speed that the hardware is capable because the programs may need to be recompiled and linked and the data reloaded before the full capabilities can be realized. This process may take weeks but this can be done as time is available without affecting the daily operations. Another factor that will affect the throughput is that because of the faster system operational changes might be made which results in programs being run more frequently thus placing additional load on the system. Also programmers will be making more compilations (which is what you want to happen) per day and possibly rely on the computer to check for errors instead of desk checking their programs before trying them on the machine.

The configuration that Rod has chosen is at Attachment 1. To be consistent with my earlier emphasis of hardware to increase programmer productivity, I would recommend that a second printer of reduced speed (thus cost) be added to provide a means of staging special forms and for programmer use. One other capability that should be considered for the system is a dial in capability to allow programmers and operations to be performed remotely from the existing hard-wired terminals. This would allow the use of portable terminals throughout the GFB building to meet peak loads and access from homes during the evening hours for programmers or operations.

It is my understanding that the communications hardware (3750) will remain and provide the terminal interface to the system. IBM should provide advice to the GFB as to its capabilities and compatibilities with a 4341. Also distributed processing capabilities should be considered (perhaps separate form the 4341) for utilization within the GFB. IBM 8100 series provides such a capability. This could, with minimal software development, provide non update processing down at the department level e.g. check printing, warehouse inquiry, update and printing, etc.

UNIT	MDL/FC	DESCRIPTION	QTY	MAC/MRC	PURCHASE	MMMC	MONTHLY LEASE CHARGES MLC2
4341	K01	PROCESSOR [redacted]	1	7021	245000.00	475.00	5975
	1870	BLOCK MFX-CHANNELS, ADDITION	1	475	16150.00	5.00	404
	9063	CLASSIC BLUE ?	1	NC	NC	NC	NC
	9081	CABLING ON FLOOR	1	NC	NC	NC	NC
	9510	REMOTE SUPPORT FACILITY	1	NC	NC	NC	NC
	9903	POWER 208V 60HZ 3 PHASE	1	NC	NC	NC	NC
				7496*	261150.00*	480.00*	6379*
		(PURCHASE OPTION - N/A)					
							MLC2
3278	02A	DISPLAY CONSOLE	1	79	2680.00	21.50	67
	4632	KEYBOARD W/O IO INTERFACE	1	32	1080.00	6.50	27
	9607	4341 ATTACHMENT	1	NC	NC	NC	NC
	9891	VOLTAGE 120V NON-LOCK PLUG	1	NC	NC	NC	NC
				111*	3760.00*	28.00*	94*
		(PURCHASE OPTION - 55 PCT)					
							MLC2
3203	005	PRINTER (1200 l.p.m.)	1	1475	38320.00	340.00	1255
	9043 ~~9046 WHITE~~	COVERS ~~Blue~~ why not Blue ?	1	NC	NC	NC	NC
	9505	TOOL KIT	1	NC	NC	NC	NC
	9903	POWER 208V 60HZ 3 PHASE	1	NC	NC	NC	NC
				1475*	38320.00*	340.00*	1255*
		(PURCHASE OPTION - 40 PCT)					
3505	B01	CARD READER (800 c.p.m.) ?	1	732	29940.00	153.00	
	8103	3525 PUNCH ADAPTER	1	128	5300.00	5.00	
	9043	BLUE COVERS	1	NC	NC	NC	
	9903	POWER 208V 60HZ 3 PHASE	1	NC	NC	NC	
				860*	35240.00*	158.00*	
		(PURCHASE OPTION - 45 PCT)					

includes plus-sched power

may want to set table for Console

UNIT	MDL/FC	DESCRIPTION	QTY	MAC/MRC	PURCHASE	MMMC	MONTHLY LEASE CHARGES
							MLC2
3370	B01	DIRECT ACCESS STORAGE DEVICE (571 MEG) (x18 max)	1	705	23400.00	90.00	600
	9063	CLASSIC BLUE	1	NC	NC	NC	NC
	9903	POWER 208V 60HZ 3 PHASE	1	NC	NC	NC	NC
				705*	23400.00*	90.00*	600*
		(PURCHASE OPTION - 60 PCT)					
							MLC2
3880	001	STORAGE CONTROL	1	1704	62350.00	160.00	1450
	~~8170~~	~~2 CHANNEL SWITCH PAIR~~	~~1~~	~~176~~	~~6450.00~~	~~10.00~~	~~150~~
	9063	CLASSIC BLUE	1	NC	NC	NC	NC
	~~9190~~	~~3340/3344 ATTACHED~~	~~1~~	~~NC~~	~~NC~~	~~NC~~	~~NC~~
	9191	3370 ATTACHED	1	NC	NC	NC	NC
	9903	POWER 208V 60HZ 3 PHASE	1	NC	NC	NC	NC
				~~1880*~~	~~68800.00*~~	~~170.00*~~	~~1600*~~
		(PURCHASE OPTION - 60 PCT)					
							MLC1 MLC2
3420	005	MAGNETIC TAPE UNIT (200 KB)	4	2344	73280.00	364.00	2156 1968
	6631	SINGLE DENSITY	4	412	13160.00	98.00	380 348
	9043	BLUE COVERS	4	NC	NC	NC	NC NC
	9053	BLUE TAKE-UP REEL	4	NC	NC	NC	NC NC
	9903	POWER 208V 60HZ 3 PHASE	4	NC	NC	NC	NC NC
				2756*	86440.00*	462.00*	2536* 2316*
		(PURCHASE OPTION - 55 PCT)					
							MLC1 MLC2
3803	001	TAPE CONTROL	1	757	23670.00	109.00	696 636
	9043	BLUE COVERS	1	NC	NC	NC	NC NC
	9570	SINGLE DENSITY	1	NC	NC	NC	NC NC
	9903	POWER 208V 60HZ 3 PHASE	1	NC	NC	NC	NC NC
				757*	23670.00*	109.00*	696* 636*
		(PURCHASE OPTION - 55 PCT)					
				-----	----------	-------	

571,000,000

NEW, 1,422,000,000

Present 980,000,000 x1.45

? DROP

UNIT	MDL/FC	DESCRIPTION	QTY	MAG/ARC	PURCHASE	MMMC	MONTHLY LEASE CHARGES
3525	P02	CARD PUNCH (200 c.p.m.)	1	655	22040.00	122.00	
	9043	BLUE COVERS	1	NC	NC	NC	
	9903	POWER 208V 60HZ 3 PHASE	1	NC	NC	NC	
				655*	22040.00*	122.00*	
		(PURCHASE OPTION - 45 PCT)					
1416	001	INTERCH TRAIN CARTRIDGE	1	101	2665.00	T+M	
	9612	ARRANGEMENT AN-2	1	NC	NC	NC	
				101*	2665.00*	.00*	
		(PURCHASE OPTION - 55 PCT)					
3340	B02	DISK STORAGE	1	776	25200.00	79.00	MLC2 660
	6202	ROTAT. POSITION SENSING	1	25	864.00	.50	21
	9043	BLUE COVERS	1	NC	NC	NC	NC
	9903	POWER 208V 60HZ 3 PHASE	1	NC	NC	NC	NC
				801*	26064.00*	79.50*	681*
		(PURCHASE OPTION - 60 PCT)					
3370	A01	DIRECT ACCESS STORAGE DEVICE	1	1058	35100.00	120.00	MLC2 900
	9063	CLASSIC BLUE (571 MEG)	1	NC	NC	NC	NC
	9903	POWER 208V 60HZ 3 PHASE	1	NC	NC	NC	NC
				1058*	35100.00*	120.00*	900*
		(PURCHASE OPTION - 60 PCT)					

1430,000

already leasing

140,000,000 Drop

571,000,000

?

DATA PROCESSING CONSULTING FOR GEORGIA FARM BUREAU

Monthly Status Report

1 May through 30 June 1979

EES/GIT Project A-2262

Prepared by

Radar and Instrumentation Labortory
Engineering Experiment Station
Georgia Institute of Technology
Atlanta, Georgia 30332

G. L. Peckham

for

Georgia Farm Bureau Federation
2960 Riverside Drive
P. O. Box 7068
Macon, Georgia 31204

under

Standard Industrial Agreement 9-8-78

WORK SUMMARY

A summary of the activities of this contract for the month of May and June is given below.

During the month of May, the interviews with the various departments was conducted and data gathered as to the users future data processing requirements for input to the Five Year Plan.

During the month of June, a report "Evaluation of Questionnaire and Interviews" was prepared and submitted for comment. During this time several scheduled trips to the GBF were cancelled due to the unavailability key personnel (injury, vacation, etc.) thus discussion could not take place.

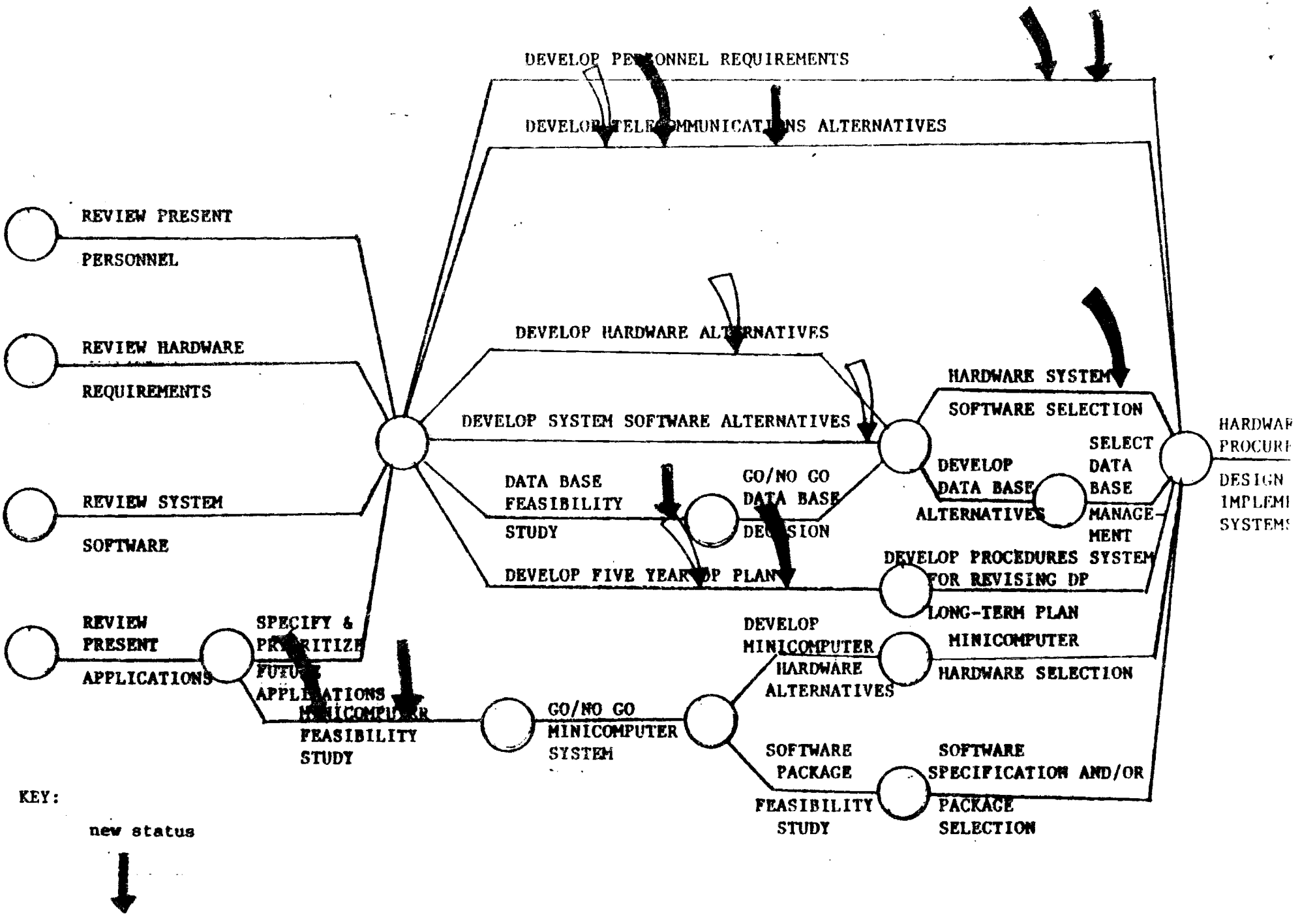
As of this date no comment on the "Analysis Hardware Requirements" or "Evaluation of Questionnaire and Interviews" has been received although not requested or required.

During July the "Recommendations for the Selection of a Data Base Management Systems for the GBF" will be initiated and presented. By 14 Aug 79 Rod Oslson will be requested to complete his estimate of new proposed work for each of the items indicated as new work in the returned questionnaires.

The CPM chart has been updated to reflect progress made during the last two months and also reflects the status reported.

The approximate manhours spent during April are the following:

NAME	MANHOURS	DESCRIPTION
Peckham, G. L.	65	Interviews, analysis, trips & report
Cohen, E.S.	8	General secretarial


DEVELOP PERSONNEL REQUIREMENTS
DEVELOP TELECOMMUNICATIONS ALTERNATIVES
REVIEW PRESENT PERSONNEL
REVIEW HARDWARE REQUIREMENTS
REVIEW SYSTEM SOFTWARE
REVIEW PRESENT APPLICATIONS
DEVELOP HARDWARE ALTERNATIVES
DEVELOP SYSTEM SOFTWARE ALTERNATIVES
DATA BASE FEASIBILITY STUDY
GO/NO GO DATA BASE DECISION
DEVELOP FIVE YEAR DP PLAN
SPECIFY & PRIORITIZE FUTURE APPLICATIONS
MINICOMPUTER FEASIBILITY STUDY
GO/NO GO MINICOMPUTER SYSTEM
DEVELOP MINICOMPUTER HARDWARE ALTERNATIVES
SOFTWARE PACKAGE FEASIBILITY STUDY
HARDWARE SYSTEM SOFTWARE SELECTION
DEVELOP DATA BASE ALTERNATIVES
SELECT DATA BASE MANAGEMENT
DEVELOP PROCEDURES SYSTEM FOR REVISING DP LONG-TERM PLAN
MINICOMPUTER HARDWARE SELECTION
SOFTWARE SPECIFICATION AND/OR PACKAGE SELECTION
HARDWAR PROCURE
DESIGN IMPLEMI SYSTEMS
KEY:
new status

DATA PROCESSING CONSULTING FOR GEORGIA FARM BUREAU

Monthly Status Report
1 July through 31 July 1979

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A summary of activities of this contract for the month of July is given below.

On 25 July 79 G. L. Peckham and H. B. Teates of Computer Science and Technology Laboratory visited Mr. Bill Smallwood and Rod Oleson of GFB to discuss the progress to date and to outline the next few months of work. During the meeting, Mr. Smallwood discussed his conclusions he had made from our earlier reports. He concluded that the GFB was not properly planning and that a reorganization was necessary to form a formal planning group.

Since the GBF was so far behind being able to plan and implement the steps outlined in this project, intensive efforts by EES/GIT would not be worthwhile until certain management decisions could be taken by the GFB.

Mr. Smallwood requested we not perform any work except that which would be requested by Mr. Oleson such as a review of new hardware or other general consultation.

Some minimal charges will be accrued against the project to keep current with the project and other administrative charges. In the month of October EES/GIT will review the project with GBF personnel and determine whether to extend the project with motifications of scope or to terminate.

DATA PROCESSING CONSULTING
FOR GEORGIA FARM BUREAU

Monthly Status Report
1 August through 31 August 1979

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During the month of August no activities were conducted per request of Mr. Smallwood of the GFB. Computer Science and Technology Laboratory will continue to wait for tasking from the GFB for the duration of this project which is scheduled to be completed in October. GFB's desire to continue this project after October are unknown at this time. It is recommended that the completion date of 8 October be extended (1) year using the remaining budget in this project.

During the month of August (1) secretarial charge and (1) charge that was incurred during June was made to the project. One more charge because of charges incurred in June will be made in September. No charges of this nature or other charges will be made against this project without approval from Mr. Smallwood of the GFB.

Total Funds Consummed During The Month Of August $810.23

Total Contract Dollars Remaining $9,975.30

Percent Of Total Project Remaining 33%